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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/779,642	02/09/2001	Masanari Toda	35.C15104	6178

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EXAMINER

SINGH, SATWANT K

ART UNIT PAPER NUMBER

2626

DATE MAILED: 09/20/2004

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/779,642	Applicant(s) TODA, MASANARI	
	Examiner Satwant K. Singh	Art Unit 2626	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02/09/2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-24 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-5, 7-11, 13-17, and 19-23 are rejected under 35 U.S.C. 102(e) as being anticipated by Desmond et al. (US 5,991,516).

3. Regarding Claim 1, Desmond et al disclose an information processing apparatus (printing apparatus 18) comprising: memory means (library 22) (col. 6, lines 32-41) for storing inputted print command information (page ID's) (col. 6, lines 32-41); and synthesizing means (pages are joinable) (col. 6, lines 46-48) for, when said print command information is stored in said memory means (library 22), if an attribute (configuration) of print command information which has already been stored (library 22) is identical to that of said print command information (have the same configuration) (col. 6, lines 43-48) and there is a memory area which can be stored in said memory means (data structure of page ID's within library 22) (col. 6, lines 42-58), synthesizing the print command information (attachment of page image ID's) which has already been stored and said print command information and allowing synthesized information to be stored

in said memory means (creating a data structure of page ID's within library) (col. 6, lines 42-58).

4. Regarding Claim 2, Desmond et al disclose an apparatus wherein when said print command information and the print command information which has already been stored are not synthesized by said synthesizing means (the adjacent pages are not joinable in a single burst) (col. 6, lines 51-58), an intermediate language is generated from the print command information stored in said memory means (burst manager 20 instructs library 22 to create a new burst) (col. 6, lines 51-58) and, thereafter, new print command information is stored into said memory means (new data structure of ID's) (col. 6, lines 51-58).

5. Regarding Claim 3, Desmond et al disclose an apparatus wherein said print command information is supplied by executing a predetermined application program (burst manager 20) (col. 6, lines 14-26), intermediate languages (bursts) corresponding to one page are held on the basis of said print command information (page ID's) (col. 6, lines 55-58), and thereafter a print command to a printer is generated (print manager software 30 immediately associated with printer 18 requests a series of burst images from FIFO 16 one burst at a time) (col. 6, lines 59-65).

6. Regarding Claim 4, Desmond et al disclose an apparatus wherein said print command is transmitted to said printer through a predetermined communication medium (print manager software 30 immediately associated with printer 18 requests a series of burst images from FIFO 16 one burst at a time) (col. 6, lines 59-65).

7. Regarding Claim 5, Desmond et al disclose an apparatus wherein said synthesizing means collects the print command information having the same attribute to a common header (bursts), thereby reducing an amount of data by an amount corresponding to a header size (burst concept can optimize a system even if there exists the potential for very large bursts: whatever happens to be in the FIFO 16 whenever the marker is ready, if the pages are joinable regardless of whether or not future page image from decomposer 14 are part of the same job, will be defined as a burst) (col. 7, lines 42-48).

8. Claims 7, 13, and 19 are rejected for the same reason as Claim 1.

9. Claims 8, 14, and 20 are rejected for the same reason as Claim 2.

10. Claims 9, 15, and 21 are rejected for the same reason as Claim 3.

11. Claims 10, 16, and 22 are rejected for the same reason as Claim 4.

12. Claims 11, 17, and 23 are rejected for the same reason as Claim 5.

Claim Rejections - 35 USC § 103

13. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

14. Claims 6, 12, 18, and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Desmond et al. in view of Morita et al. (US 6,067,097).

15. Regarding Claim 6, Desmond et al teach an information processing apparatus wherein the synthesizing means (pages are joinable) (col. 6, lines 46-48) store print command information which has been held previously. The pages are synthesizable if they have the same configuration (are of the same type).

Desmond et al teach a means for counting up a repetition variable (page ID's) (col. 6, lines 32-41) in the case where said variation is the same as the previous one (have the same configuration), and when said variation is different from the previous one, a command showing the variation (burst manager 20 instructs library 22 to create a new burst) and a count number indicative of the repetition variable (page ID's) is stored into said memory means (library 22), and subsequently, a command indicative of the synthesized information (attachment of page image ID's) which is being processed at present is stored into said memory means (new data structure of ID's) (col. 6, lines 42-58).

Desmond et al fail to distinctly point out that the print command information drawing coordinate variations of a draw object.

Morita et al teach a drawing processing apparatus, wherein the apparatus performs drawing processing by inputting drawing data (drawing data) (col. 10, lines 15-20).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to have modified Desmond et al by the teaching of Morita et al to define the attributes of the drawing elements (drawing data) as attributes in the print command information to speed up drawing processing (col. 10, lines 15-20)

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16. Claims 12, 18 and 24, are rejected for the same reason as Claim 6,

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Satwant K. Singh whose telephone number is (703) 306-3430. The examiner can normally be reached on Monday thru Friday 8am - 4:30pm.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kimberly A. Williams can be reached on (703) 305-4863. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



sks

Satwant K. Singh
Examiner
Art Unit 2626



KIMBERLY WILLIAMS
SUPERVISORY PATENT EXAMINER